In the Claims:

1.-9.   Cancel

10.   (Currently Amended) <u>A method for controlling a self-control traveling system for an expressway, comprising:</u>

<u>(a) determining whether at least one image received from an imaging device contains information indicating a starting point for enabling a self-control traveling operation;</u>

<u>(b) determining whether a self-control traveling command is inputted according to a result of the determination at the step (a), switching a driving mode from a manual driving mode to an automatic driving mode, requesting that destination information be inputted, and starting the self-control traveling operation;</u>

<u>(c) searching for corresponding map information associated with the inputted destination information when the self-control traveling operation is started, determining whether a turning point is indicated in the searched map information, and performing the self-control traveling operation according to a result of the determination;</u>

<u>(d) determining whether turning-point information is inputted among input image information during the self-control traveling operation;</u>

<u>(e) controlling an automatic turning operation or determining whether an automobile has arrived at an end point according to a result of the determination at the step (d); and</u>

<u>(f) switching the driving mode from the automatic driving mode to the manual driving mode according to a result of the determination at the step (e), and terminating the self-control traveling operation.</u> ~~The method as set forth in claim 7~~, wherein step (e) comprises:

(e-1) changing a traveling route to the turning point when the automobile arrives at the turning point;

(e-2) notifying the driver that a section of the self-control traveling operation will end soon when the automobile gets near to the destination during searching for the map information after step (e-1) is completed; and

(e-3) determining whether a sign image indicating the end point is contained in the input image information after step (e-2) is completely performed.

11.   (Currently Amended) <u>A method for controlling a self-control traveling system for an</u>
<u>expressway, comprising:</u>

<u>(a) determining whether at least one image received from an imaging device</u>
<u>contains information indicating a starting point for enabling a self-control traveling</u>
<u>operation;</u>

<u>(b) determining whether a self-control traveling command is inputted according to a</u>
<u>result of the determination at the step (a), switching a driving mode from a manual driving</u>
<u>mode to an automatic driving mode, requesting that destination information be inputted,</u>
<u>and starting the self-control traveling operation;</u>

<u>(c) searching for corresponding map information associated with the inputted</u>
<u>destination information when the self-control traveling operation is started, determining</u>
<u>whether a turning point is indicated in the searched map information, and performing the</u>
<u>self-control traveling operation according to a result of the determination;</u>

<u>(d) determining whether turning-point information is inputted among input image</u>
<u>information during the self-control traveling operation;</u>

<u>(e) controlling an automatic turning operation or determining whether an automobile</u>
<u>has arrived at an end point according to a result of the determination at the step (d); and</u>

<u>(f) switching the driving mode from the automatic driving mode to the manual</u>
<u>driving mode according to a result of the determination at the step (e), and terminating the</u>
<u>self-control traveling operation.</u> ~~The method as set forth in claim 7~~, wherein step (f) is
carried out by switching the driving mode from the manual driving mode to the automatic
driving mode when the automobile arrives at a tollgate located at the end point and the
automobile is stopped.

12.-16. Cancel